

Applicant : Stefan Mueller et al.
Serial No. : 10/632,120
Filed : July 31, 2003
Page : 2 of 10

Attorney's Docket No.: 13911-042001 / 2002P10157 US

RECEIVED
CENTRAL FAX CENTER

MAY 10 2006

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A computer-implemented method of providing access to information stored in diverse formats, the method comprising:

receiving from an application a semantic request having a request name that semantically identifies a type of information sought by the request;

converting the received semantic request to a generic request having corresponding request parameters;

initiating a creation of an object for receiving and converting the semantic request;

opening a database connection within a data access system corresponding to the semantic request;

requesting properties of data corresponding to the semantic request, if a database connection has not previously been opened;

transmitting the converted request to the a data access system;

receiving data from the data access system corresponding to the converted request; and

providing the data to the application.
2. (Original) The computer-implemented method of claim 1, further comprising

Applicant : Stefan Mueller et al.
Serial No. : 10/632,120
Filed : July 31, 2003
Page : 3 of 10

Attorney's Docket No.: 13911-042001 / 2002P10157 US

typecasting the data received from the data access system before providing the data to the application.

3. (Original) The computer-implemented method of claim 1, wherein the semantic request comprises a uniform resource identifier.

4. (Canceled).

5. (Currently Amended) The computer-implemented method of claim 4, wherein the object is a group object configured to access information about groups of entities.

6. (Original) The computer-implemented method of claim 4, wherein the created object requests the properties of a resource corresponding to the converted request.

7. (Original) The computer-implemented method of claim 1, wherein the converted request comprises parameters corresponding to, but not present in, the semantic request.

8. (Currently Amended) A computer-implemented method of establishing an object for simplifying data access, the method comprising:

receiving identifying a generic data access command for communicating with a data access system;

Applicant : Stefan Mueller et al.
Serial No. : 10/632,120
Filed : July 31, 2003
Page : 4 of 10

Attorney's Docket No.: 13911-042001 / 2002P10157 US

creating a semantic data access command that corresponds to the generic data access command; and

providing a semantic object configured to receive the semantic data access command from an application, and provide a corresponding generic data access command to a data access system.

9. (Original) The computer-implemented method of claim 8, wherein the semantic data access command comprises a uniform resource identifier.

10. (Original) The computer-implemented method of claim 8, wherein the semantic object is configured to open a database connection corresponding to the semantic data access command and request properties of data corresponding to the semantic data access command, if a database connection has not previously been opened.

11. (Original) The computer-implemented method of claim 8, wherein the generic data access command comprises parameters corresponding to, but not present in, the semantic data access command.

12-17. (Canceled).

18. (Original) The system of claim 12, further comprising a portal that provides

Applicant : Stefan Mueller et al.
Serial No. : 10/632,120
Filed : July 31, 2003
Page : 5 of 10

Attorney's Docket No.: 13911-042001 / 2002P10157 US

access to the user applications.

19. (Currently Amended) An article comprising a tangible machine-readable medium storing instructions operable to cause one or more machines to perform operations comprising:

- receiving from an application a semantic request having a request name that semantically identifies a type of information sought by the request;
- converting the received semantic request to a generic request having corresponding request parameters;
- initiating a creation of an object for receiving and converting the semantic request;
- opening a database connection within a data access system corresponding to the semantic request;
- requesting properties of data corresponding to the semantic request, if a database connection has not previously been opened;
- transmitting the converted request to the a data access system;
- receiving data from the data access system corresponding to the converted request; and
- providing the data to the application.

20. (Original) The article of claim 19, further comprising instructions operable to cause one or more machines to typecast the data received from the data access system before providing the data to the application.

Applicant : Stefan Mueller et al.
Serial No. : 10/632,120
Filed : July 31, 2003
Page : 6 of 10

Attorney's Docket No.: 13911-042001 / 2002P10157 US

21. (Original) The article of claim 19, wherein the semantic request comprises a uniform resource identifier.

22. (Canceled).

23. (Currently Amended) The article of claim 22, wherein the object is a group object configured to access information about groups of entities.

24. (Original) The article of claim 22, wherein the created object requests the properties of a resource corresponding to the converted request.

25. (Original) The article of claim 19, wherein the converted request comprises parameters corresponding to, but not present in, the semantic request.

26. (New) An article comprising a tangible machine-readable medium storing instructions operable to cause one or more machines to perform operations comprising:
receiving a generic data access command for communicating with a data access system;
creating a semantic data access command that corresponds to the generic data access command; and
providing a semantic object configured to receive the semantic data access command from an application, and provide a corresponding generic data access command to a data access

Applicant : Stefan Mueller et al.
Serial No. : 10/632,120
Filed : July 31, 2003
Page : 7 of 10

Attorney's Docket No.: 13911-042001 / 2002P10157 US

system.

27. (New) The article of claim 26, wherein the semantic data access command comprises a uniform resource identifier.

28. (New) The article of claim 26, wherein the semantic object is configured to open a database connection corresponding to the semantic data access command and request properties of data corresponding to the semantic data access command, if a database connection has not previously been opened.

29. (New) The article of claim 26, wherein the generic data access command comprises parameters corresponding to, but not present in, the semantic data access command.